

WHAT IS CLAIMED IS:

1. A document scanning device comprising:
scanning means for scanning an image on a document;
generating means for generating image data based on the
scanned image;

transfer means for transferring the image data from
said scanning means;

selection means for selecting a transfer mode for
transferring the image data by said transfer means; and

control means for controlling a scanning operation of
said scanning means in accordance with the transfer mode
selected by said selection means.

2. The document scanning device according to Claim 1,
wherein said control means controls the scanning speed of
said scanning means.

3. The document scanning device according to Claim 1,
further comprising an interface for establishing a
connection to an image processing apparatus,

wherein said transfer means transfers the image data to
said image processing apparatus via said interface.

4. The document scanning device according to Claim 3,

wherein said selection means selects the transfer mode in accordance with parameters of said interface.

5. The document scanning device according to Claim 3, wherein said selection means selects the transfer mode, based on an instruction from said image processing apparatus via said interface.

6. An image processing apparatus comprising:
input means for inputting image data;
transfer means for transferring the image data input by said input means;
determination means for determining whether the image data input by said input means are binary data per pixel or multilevel data per pixel; and
control means for controlling a transfer path for the image by said transfer means in accordance with a determination result by said determination means.

7. The image processing apparatus according to Claim 6, wherein said input means inputs the image data obtained by scanning an image on a document.

8. The image processing apparatus according to Claim 6, further comprising an interface for establishing connection

to another image processing apparatus,

wherein said transfer means transfers the image data to the other apparatus via said interface.

9. The image processing apparatus according to Claim 8, wherein said control means selects the transfer path in accordance with parameters of said interface.

10. The image processing apparatus according to Claim 8, wherein said determination means determines, based on an instruction received from said another image processing apparatus received via said interface, whether the image data input by said input means are binary data per pixel or multilevel data per pixel.

11. A document scanning device comprising:

a scanner which scans an image on a document and generates image data based on the image;

a transmitter which transmits the image data from said scanner;

a selector which selects a transmission speed for transmitting the image data by said transmitter; and

a controller which controls a scanning operation of said scanner in accordance with the transmission speed selected by said selector.

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12. The document scanning device according to Claim 11,
wherein said controller means controls a scanning speed of
said scanner.

13. The document scanning device according to Claim 11,
further comprising an interface for establishing a
connection to an image processing apparatus,

wherein said transmitter transmits the image data to
said image processing apparatus via said interface.

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14. The document scanning device according to Claim 13,
wherein said selector means selects the transfer mode in
accordance with parameters of said interface.

15. The document scanning device according to Claim 13,
wherein said selector means selects the transfer mode, based
on an instruction received from said image processing
apparatus via said interface.

16. An image processing apparatus comprising:
a scanning which scans an image on a document and
generates image data based on the image;
a transmitter which transmits the image data from said
scanner;

a detector which detects whether the image data obtained from said scanner are binary data per pixel or multilevel data per pixel; and

a controller which controls a transfer path for the image data by said transmitter in accordance with a detection result by said detector.

17. The image processing apparatus according to Claim 16, wherein said controller controls a scanning speed of said scanner.

18. The image processing apparatus according to Claim 16, further comprising an interface for establishing a connection to an image processing apparatus,

wherein said transmitter transmits the image data to said image processing apparatus via said interface.

19. The image processing apparatus according to Claim 18, wherein said controller selects the transfer mode in accordance with parameters of said interface.

20. The image processing apparatus according to Claim 18, wherein said controller selects the transfer mode, based on an instruction received from said image processing apparatus via said interface.

21. A control method for a scanner, comprising the steps of:

scanning an image on a document; and

generating image data based on the scanned image;

transferring the image data obtained in the generating step;

selecting a transfer mode for transferring the image data in the transferring step; and

controlling the scanning operation performed in the scanning step in accordance with the transfer mode selected in the selecting step.

22. The control method according to Claim 21, wherein said controlling step controls a scanning speed of said scanning means.

23. The control method according to Claim 21, further comprising an interfacing step for establishing a connection to an image processing apparatus,

wherein said transferring step transfers the image data to said image processing apparatus during said interfacing step.

24. The control method according to Claim 21, wherein

said selecting step selects the transfer mode in accordance with parameters of said interfacing step.

25. A control method for an image processing apparatus, comprising the steps of:

inputting image data;

transferring the image data input in the inputting step;

determining whether the image data input in the inputting step are binary data per pixel or multilevel data per pixel; and

controlling a transfer path for the image data in the transferring step in accordance with a determination result in the determining step.

26. The control method according to Claim 25, wherein said controlling step controls an inputting speed of said inputting step.

27. The control method according to Claim 25, further comprising an interfacing step for establishing a connection to an image processing apparatus,

wherein said transferring step transfers the image data to said image processing apparatus during said interfacing step.

28. The control method according to Claim 25, wherein said controlling step selects the transfer mode in accordance with parameters of said interfacing step.

29. A computer-readable program for controlling a scanner, said computer-readable program stored in a storage medium, said computer-readable program comprising the steps of:

scanning an image on a document;
generating image data based on the scanned image;
transferring the image data obtained in the generating step;
selecting a transfer mode for transferring the image data in the transferring step; and
controlling the scanning operation performed in the scanning step in accordance with the transfer mode selected in the selecting step.

30. The computer-readable program according to Claim 29, wherein said controlling step controls an inputting speed of said inputting step.

31. The computer-readable program according to Claim 29, further comprising an interface step for establishing a

connection to an image processing apparatus,

wherein said transferring step transfers the image data to said image processing apparatus during said interfacing step.

32. The computer-readable program according to Claim 29, wherein said controlling step selects a transfer mode in accordance with parameters of said interfacing step.

33. A computer-readable program for controlling a scanner, said computer-readable program stored in a medium, said computer-readable program comprising the steps of:
inputting image data;
transferring the image data input in the inputting step;

determining whether the image data input in the inputting step are binary data per pixel or multilevel data per pixel; and

controlling a transfer path for the image data in the transferring step in accordance with a determination result obtained in the determining step.

34. The computer-readable program according to Claim 33, wherein said controlling step controls an inputting speed of said inputting step.

35. The computer-readable program according to Claim 33, further comprising an interfacing step for establishing a connection to an image processing apparatus,

wherein said transferring step transfers the image data to said image processing apparatus during said interfacing step.

36. The computer-readable program according to Claim 33, wherein said controlling step selects a transfer mode in accordance with parameters of said interfacing step.

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35. The computer-readable program according to Claim 33, further comprising an interfacing step for establishing a connection to an image processing apparatus, wherein said transferring step transfers the image data to said image processing apparatus during said interfacing step.